

Lucas Heights 1

Licence Number: 4805

Licence Holder: EDL LFG (NSW) PTY LTD

Licensee Address: Lucas Heights 1, 542 - 600 New Illawarra Rd, Menai NSW 2234

Testing year 2015

Testing Frequency Modules to be tested once every 5 years. Supply line testing annually. Flare to be tested once every 5 years.

Testing Required Generator 1. Gas supply line

Location of Monitoring Point	Sampled	Obtained	Published	Pollutant	Units of Measure	Licence Limit	No. Samples Required by Licence	No. Samples you collected and Analysed	Mean Value
Discharge and Monitoring Point 1, Generator Module 1	1/05/2015	14/05/2015	18/05/2015	Carbon dioxide	Percent		1	1	10.7
	31/03/2015	14/05/2015	18/05/2015	Carbon monoxide	Milligrams per cubic metre		1	1	130
	1/05/2015	14/05/2015	18/05/2015	Dry gas density	Kilograms per cubic metre		1	1	1.35
	1/05/2015	14/05/2015	18/05/2015	Moisture Content	Percent		1	1	5.8
	1/05/2015	14/05/2015	18/05/2015	Molecular weight of stack gases	Grams per gram mole		1	1	30.2
	1/05/2015	14/05/2015	18/05/2015	Nitrogen Oxides	Milligrams per cubic metre	<450	1	1	410
	1/05/2015	14/05/2015	18/05/2015	Oxygen (O2)	Percent		1	1	8.4
	31/03/2015	14/05/2015	18/05/2015	Sulfuric acid mist and sulfur trioxide (as SO3)	Milligrams per cubic metre	<100	1	1	9.7
	31/03/2015	14/05/2015	18/05/2015	Sulphur dioxide	Milligrams per cubic metre		1	0	
	1/05/2015	14/05/2015	18/05/2015	Temperature	Degrees Celsius		1	1	403
	1/05/2015	14/05/2015	18/05/2015	Velocity	Metres per second		1	1	28
	1/05/2015	14/05/2015	18/05/2015	Volumetric flowrate	Cubic metres per second		1	1	2
Discharge and Monitoring Point 6, LFG Supply Line - DN100 LFG Supply	31/03/2015	14/05/2015	18/05/2015	Carbon dioxide	Percent		1	1	37.3
	31/03/2015	14/05/2015	18/05/2015	Dry gas density	Kilograms per cubic metre		1	1	1.28
	31/03/2015	14/05/2015	18/05/2015	Moisture Content	Percent		1	1	1
	31/03/2015	14/05/2015	18/05/2015	Molecular weight of stack gases	Grams per gram mole		1	1	28.7
	31/03/2015	14/05/2015	18/05/2015	Oxygen (O2)	Percent		1	1	2
	31/03/2015	14/05/2015	18/05/2015	Temperature	Degrees Celsius		1	1	52
	31/03/2015	14/05/2015	18/05/2015	Velocity	Metres per second		1	0	
	31/03/2015	14/05/2015	18/05/2015	Volatitle organic compounds (as n-propane)	Milligrams per cubic metre		1	1	200
31/03/2015	14/05/2015	18/05/2015	Volumetric flowrate	Cubic metres per second		1	1	0.5411	

Change log	Date	Change
	14/07/20	Updated to include the site address and required testing frequency.
	15/07/20	Amended to correct spelling sulfur 'trioxide' from 'trioide'
	15/07/20	Amended number of samples for Sulfur dioxide and supply velocity to '0'
	15/07/20	Amended date sampled to 31/03/2015 from 31/04/2015 in all cases except for Carbon Monoxide in Generation Module 1
	20/07/20	Removed Volatile Organic Compounds from the Pollutant list for Point 1 as they were not required and not tested.